



Pressure Relief System, Design and Validation

Drawing on our experience of working with many different organisations across the range of process industry sectors, Fabricom is able to develop practical and innovative solutions which deliver value to our clients' businesses.

From the initial problem statement or opportunity potential, we can identify and evaluate technology options, apply cost models and develop and appraise these to enable selection of the best alternative. This can feed into our client's stage gated process for investment which may then, for example, result in a full FEED study.

We pride ourselves in applying the principles of 'value engineering' to ensure that what we deliver meets our clients' requirements, adds value and is fit for its purpose. We can only do this by adopting a fully collaborative approach to doing business with our clients.

Experience tells us that major influence over any project is possible at the feasibility stage for minor expenditure. This trend is reversed as the project moves further into detailed engineering as demonstrated on the graph.

- Re-validate existing systems.
- Determine the original relief cases.
- Identify shortfalls and propose design changes to return the system to a recognised design standard (e.g. API 520/521/2000).
- Specify and design the relief system for new installations.
- Evaluate relief header and flare design performance.
- Conformance assessments against the Pressure Equipment Regulations 1999 (PER) and Pressure Systems Safety Regulations 2000 (PSSR).

